refractive optical element;

wherein the refractive optical element comprises first and second opposed faces for respectively collecting the light beam and projecting the at least two beam portions on the reading area, wherein an optical axis Z is defined into the refractive optical element;

wherein said second face comprises four first surface portions, each of the four first surface portions being inclined by a predetermined angle with respect to the first face and adapted to deflect a corresponding portion of the light beam by a predetermined deflection angle with respect to the optical axis Z, so as to define, in the refractive optical element, a poly-prismatic structure having a substantially pyramidal shape with a rhomboidal base.

34. {NEW} An aiming device for aiming and visually indicating a reading area of a coded information reader, comprising:

means for emitting a light beam;

means for deflecting at least one first portion of the light beam so as to generate at least two different beam portions active on at least two different zones of a reading area of a coded information reader along at least two different optical paths;

wherein the means for deflecting at least one portion of the light beam consists of a refractive optical element;

wherein the refractive optical element comprises first and second opposed faces for respectively collecting the light beam and projecting the at least two beam portions on the reading area, wherein an optical axis Z is defined into the refractive optical element;

wherein the second face comprises at least one first peripheral surface portion inclined by a predetermined angle α_1 with respect to the first face and adapted to deflect the at least one first portion of light beam by a predetermined deflection angle β_1 with respect to the optical axis Z, and at least one second surface portion proximate a center of the second face, the at least one second surface portion being inclined by a predetermined angle α_2 different from α_1, with respect to the first face and adapted to deflect the at least one portion of light beam by a predetermined deflection angle β_2, different from β_1, with respect to the optical axis Z.

REMARKS

Favorable consideration of the captioned application is respectfully requested.

703087